

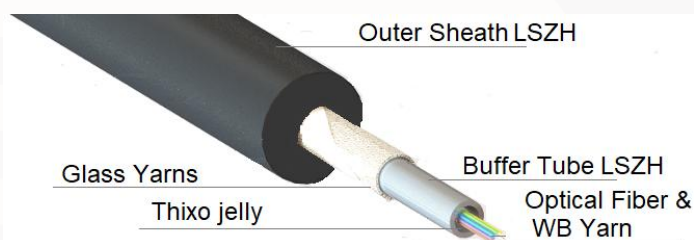


4-24 FIBERS CENTRAL TUBE INDOOR/OUTDOOR TYPE NONMETALLIC ARMORED F.O. CABLE LSZH - B2ca (s1a, d0, a1)



Description

ORCA Optical fiber is used as a physical transmission medium for data communication to provide support for network equipment; supports multiple wavelength channels, in four wavelength SWDM4 or dual wavelength BiDi technology. Ready for 400G Base-SRx in hi-speed datacenter application.



Cable Construction

Number of fibers	4	6	8	12	24
Loose Tubes					
Outer Diameter		2,50 mm ± 3%			3,00 ± 3%
Material		LSZH			
Thickness of PC layer		0,350 mm ± 3%			0,40mm ±3%
Thickness of PB layer		0,100 mm ± 3%			
Type of filling compound		Water swellable yarn			
Peripheral Strength Member					
Material		Glass yarn			
Thickness of glass yarn		0,5 mm ± 3%			0,45mm ±3%
Outer Sheath					
Material		UV stabilized LSZH-FR Compound			
Thickness		1,30 mm ± 0,1			
	4	6	8	12	24
Cable diameter		6,1 mm ± 0,2			6,5mm ±0,2
Cable weight		45±10% kg/km			50±10% kg/km

Mechanical characteristics

Test	Test Standard	Specified Value
Tensile Force	IEC 60794-1-2-E1	1000 N
Crush Resistance	IEC 60794-1-2-E3	Max. 200 N/cm
Impact	IEC 60794-1-2-E4	1,5 Nm
Repeated bending	IEC 60794-1-2-E6	R= 30mm, 100 N load, 1000 cycles
Torsion	IEC 60794-1-2-E7	Load 100N
Cable Bend	IEC 60794-1-2-E11	50 mm

Environmental Characteristics

Test	Test Standard	Specified Value
Temperature cycling	IEC 60794-1-2-F1	Storage -40 to + 70 °C
		Installation -10 to + 50 °C
		Operation -20 to + 60 °C

Identification

Cable Marking	1m ±1% Intervals in white color with hot foil or ink-jet print
Identification of cable (1)	<ORCA code> <year of manufacture> <number of fibers> FO <type of fibers> CPR Class <...> <length marking in meter>
Color of loose buffer tube (2)	Natural
- Color of fibers IEC 305(2)	1. Red, 2. Green, 3. Blue, 4. Yellow, 5. White, 6. Grey, 7. Brown, 8. Violet, 9. Turquoise, 10. Black,, 11. Orange, 12. Pink, 13. Red I, 14. Green I, 15. Blue I, 16. Yellow I, 17. White I, 18. Grey I, 19. Brown I, 20. Violet I, 21. Turquoise I, 22. Black I, 23. Orange I, 24. Pink I.
- Color of outer sheath (2)	Yellow RAL 1018 for OS2 Fibers, Grey RAL 7004 for OM1Fibers, Orange RAL 2008 for OM2 Fibers Turquoise RAL 6027 for OM3 & OM4 Fibers Erica Violet RAL 4003 for OM4 Fibers
(1) This inscription is standard imprint. It can be changed according to request.	
(2) The other tube, fiber and sheath colors are optional.	

Delivery Information

- Drum length/Tolerance (3)	4000 m ± 5%
- Drum Flange diameter (3)	1000 mm
- Drum core diameter (3)	580 mm
- Outside width (3)	780 mm
- Central hole diameter	85 mm
(3) Drum dimensions can change depends on cable length on a drum. Standard delivery length is 4 km. Other delivery lengths are optional.	

Transmission characteristics

Refer to core fiber data

Ordering Information code:

OM2 50/125 - ORANGE	
OC-CVF-111120-08	ORCA - Optical Cable loose dry - diel. antird - int/est 8 f.o. 50/125 OM2 LSZH - CPR Class B2ca (s1a, do, a1)
OC-CVF-111120-12	ORCA - Optical Cable loose dry - diel. antird - int/est 12 f.o. 50/125 OM2 LSZH - CPR Class B2ca (s1a, do, a1)
OC-CVF-111120-24	ORCA - Optical Cable loose dry - diel. antird - int/est 24 f.o. 50/125 OM2 LSZH - CPR Class B2ca (s1a, do, a1)
OS2 9/125 - YELLOW	
OC-CVF-111130-08	ORCA - Optical Cable loose dry - diel. antird - int/est 8 f.o. 9/125 OS2- LSZH - CPR Class B2ca (s1a, do, a1)
OC-CVF-111130-12	ORCA - Optical Cable loose dry - diel. antird - int/est 12 f.o. 9/125 OS2- LSZH - CPR Class B2ca (s1a, do, a1)
OC-CVF-111130-24	ORCA - Optical Cable loose dry - diel. antird - int/est 24 f.o. 9/125 OS2- LSZH - CPR Class B2ca (s1a, do, a1)
OM4 50/125 - AQUA	
OC-CVF-111150-08	ORCA - Optical Cable loose dry - diel. antird - int/est 8 f.o. 50/125 OM4 - LSZH - CPR Class B2ca (s1a, do, a1)
OC-CVF-111150-12	ORCA - Optical Cable loose dry - diel. antird - int/est 12 f.o. 50/125 OM4 - LSZH - CPR Class B2ca (s1a, do, a1)
OC-CVF-111150-24	ORCA - Optical Cable loose dry - diel. antird - int/est 24 f.o. 50/125 OM4 - LSZH - CPR Class B2ca (s1a, do, a1)
OM4 50/125 - ERICA VIOLET	
OC-CVF-111190-08	ORCA - Optical Cable loose dry - diel. antird - int/est 8 f.o. 50/125 OM4 - LSZH - CPR Class B2ca (s1a, do, a1)
OC-CVF-111190-12	ORCA - Optical Cable loose dry - diel. antird - int/est 12 f.o. 50/125 OM4 - LSZH - CPR Class B2ca (s1a, do, a1)
OC-CVF-111190-24	ORCA - Optical Cable loose dry - diel. antird - int/est 24 f.o. 50/125 OM4 - LSZH - CPR Class B2ca (s1a, do, a1)